

MONKEY CHUTE

HABITAT REHABILITATION AND ENHANCEMENT PROJECT

**Pool 21
Upper Mississippi River Mile 326**

**Marion County, Missouri
Rock Island District**



RESOURCE PROBLEM:

The upstream end of the chute was cut off many years ago by deposition of sediment. Sedimentation in the lower end of Monkey Chute was becoming acute. In severe cases, when Pool 21 was below normal, sediment deposits prevented access to the chute, stranding fish and causing stagnation by isolating the chute from the river. Continued sedimentation would have resulted in the conversion of the open water into marsh and then lowland brush habitat.

PROJECT FEATURES:

- * Hydraulically dredge a cut approximately 6 feet deep x 30 feet wide x 600 feet long at downstream end of Monkey Chute. Remove about 3,000 cubic yards of material and pump into a sand/mud area immediately adjacent to the dredge cut; and
- * Construct a silt retaining fence to screen silt from the water column.

PROJECT OUTPUTS:

The project is maintaining a suitable depth at the downstream end of the chute, assuring a supply of well oxygenated water during low flow periods and enabling access by spawning and juvenile fish. Bass tournament participants have commented on the quality backwaters within the chute.

FINANCIAL DATA:

General design costs were \$16,000, and construction costs were \$40,000. No operation, maintenance, and repair costs were identified for this project. The Missouri Department of Conservation is the non-Federal project sponsor.

STATUS:

Construction was completed in August 1989. An initial performance evaluation report was distributed in March 1995. A supplemental performance evaluation report was distributed in April 1998.